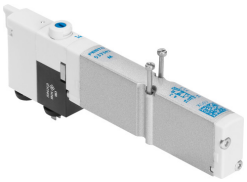
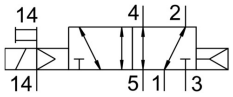
Air solenoid valve
VMPA1-M1H-M-PI

Part number: 533342





Data sheet

Feature	Value
Valve function	5/2, monostable
Relative air humidity	Max. 90 % at 40 °C
Lap	Overlap
Actuation type	Electrical
Valve size	10 mm
Standard nominal flow rate	360 l/min
Operating voltage	24V DC
Operating pressure	-0.9 bar ... 10 bar
Design	Piston gate valve
Reset method	Pneumatic spring
Degree of protection	IP65 as per IEC 60529
Certification	c UL us - Recognized (OL)
Type code	VMPA1
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Flow direction	Reversible
Symbol	00991066
Signal status display	yes
Pilot pressure	3 bar ... 8 bar
Suitability for vacuum	yes
Standard nominal flow rate with QS-6	360 l/min
Switching time off	20 ms
On switching time	10 ms
Max. positive test pulse with 0 signal	400 µs
Max. negative test pulse on 1 signal	200 µs
Permissible voltage fluctuations	+/- 25 %
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	1 - Low corrosion stress

IAS COMPONENTS industrial components supplier. Interested in products or technical support? www.ias-components.com | +442038082761 | info@ias-components.com

Feature	Value
Storage temperature	-20 °C ... 40 °C
Temperature of medium	-5 °C ... 50 °C
Ambient temperature	-5 °C ... 50 °C
Max. tightening torque for valve mounting	0.25 Nm
Product weight	49 g
Type of mounting	With through-hole
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum

IAS COMPONENTS industrial components supplier. Interested in products or technical support? www.ias-components.com | +442038082761 | info@ias-components.com